

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026173.D
 Acq On : 30 Dec 2021 17:10
 Operator : JC/MD
 Sample : M5207-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 07:10:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

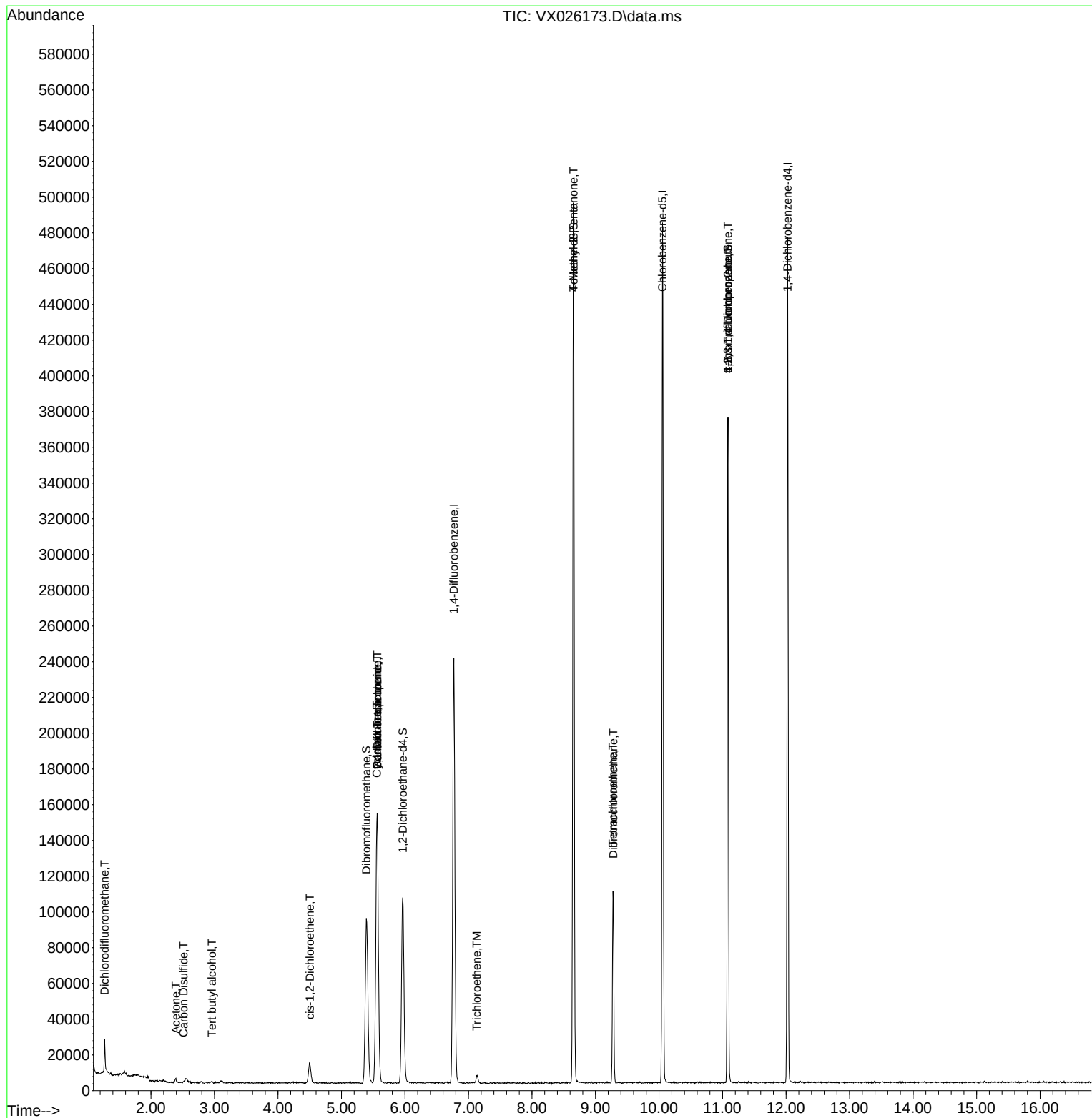
Internal Standards						
1) Pentafluorobenzene	5.562	168	135792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99759	50.781	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.560%	
35) Dibromofluoromethane	5.391	113	77070	51.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.560%	
50) Toluene-d8	8.652	98	269068	48.596	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.200%	
62) 4-Bromofluorobenzene	11.085	95	91267	46.304	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.270	85	1191	0.835	ug/l	97
11) Tert butyl alcohol	2.958	59	530	1.351	ug/l #	73
16) Acetone	2.391	43	2614	2.456	ug/l	97
17) Carbon Disulfide	2.513	76	1200	0.278	ug/l #	75
20) Methylene Chloride	2.794	84	321	Below Cal	#	59
27) cis-1,2-Dichloroethene	4.501	96	6544	3.507	ug/l	97
31) Cyclohexane	5.555	56	3579	1.279	ug/l #	40
36) 1,1-Dichloropropene	5.562	75	11737	4.889	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14122	5.288	ug/l #	16
44) Trichloroethene	7.128	130	1686	0.914	ug/l	83
51) 4-Methyl-2-Pentanone	8.652	43	1437	0.509	ug/l #	1
60) Dibromochloromethane	9.280	129	17885	9.106	ug/l #	11
64) Tetrachloroethene	9.274	164	18709	10.957	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	51540	25.289	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51540	73.162	ug/l #	10

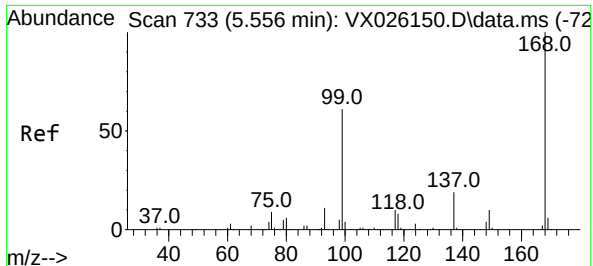
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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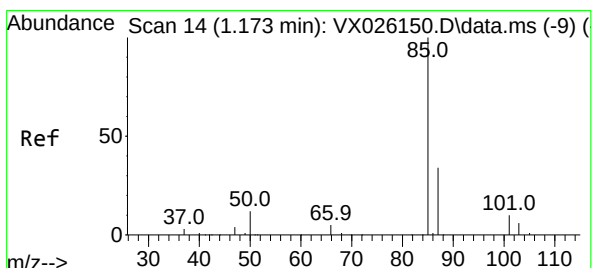
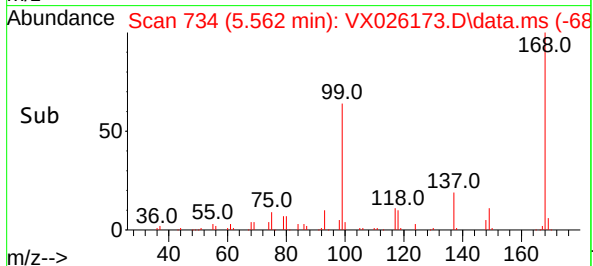
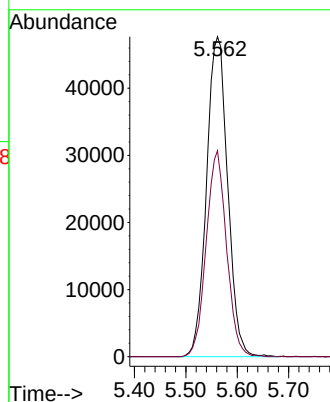
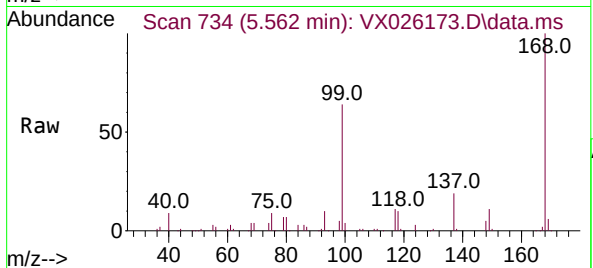




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

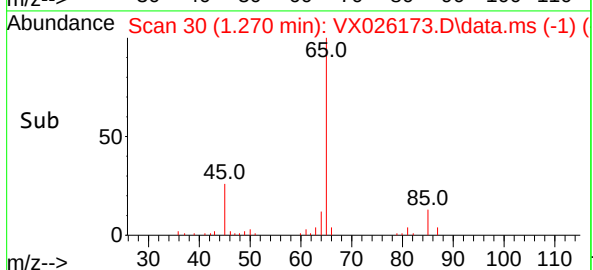
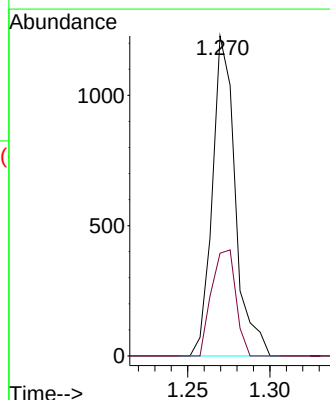
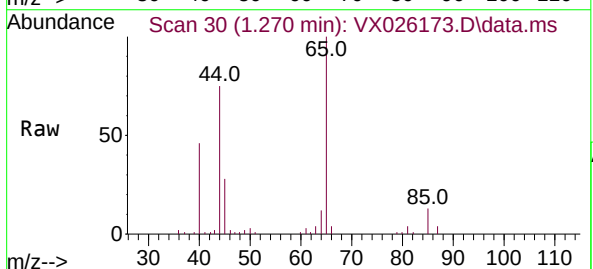
Instrument :
MSVOA_X
ClientSampleId :

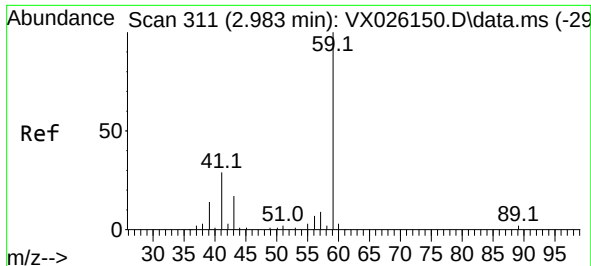
Tgt Ion:168 Resp: 135792
Ion Ratio Lower Upper
168 100
99 64.4 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 0.835 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.097 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Tgt Ion: 85 Resp: 1191
Ion Ratio Lower Upper
85 100
87 32.1 17.0 50.9

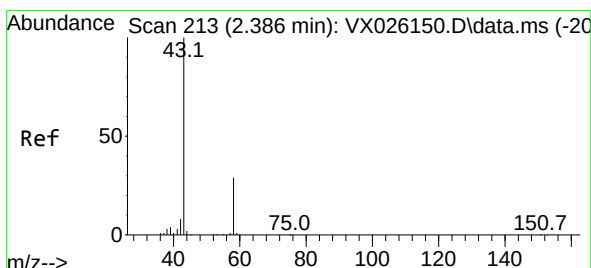
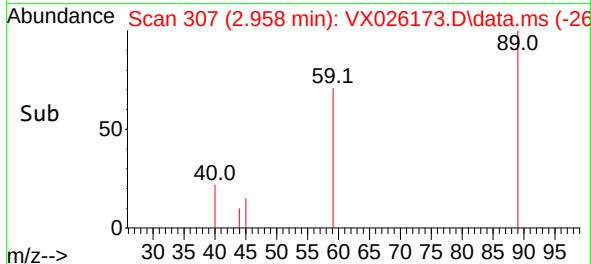
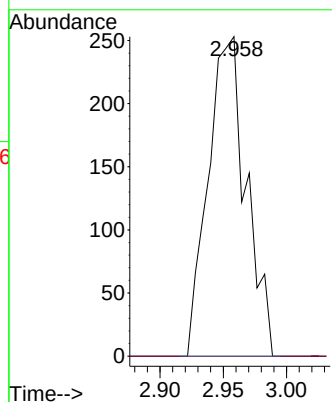
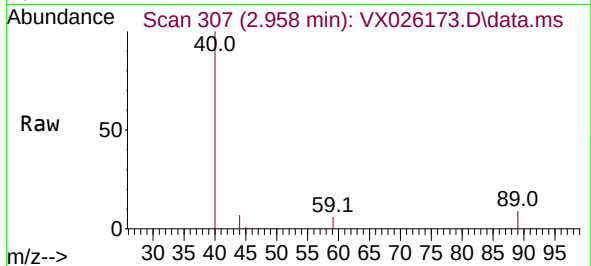




#11
Tert butyl alcohol
Concen: 1.351 ug/l
RT: 2.958 min Scan# 30
Delta R.T. -0.025 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

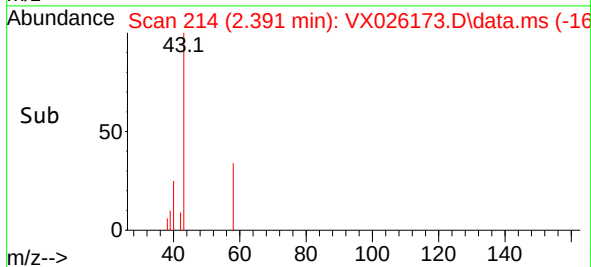
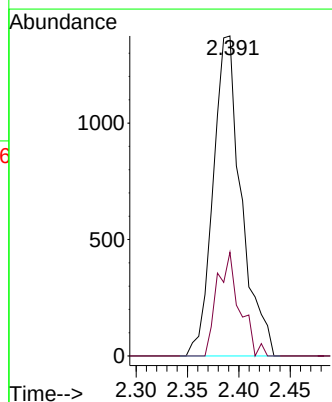
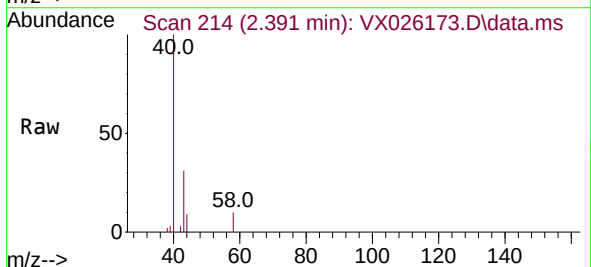
Instrument :
MSVOA_X
ClientSampleId :

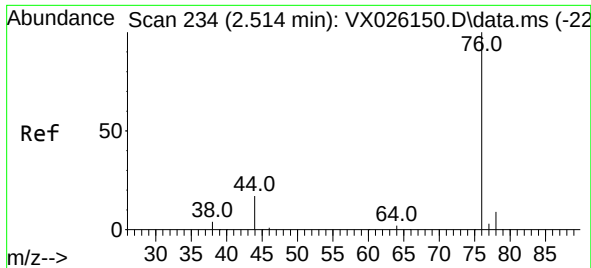
Tgt Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 2.456 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.005 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

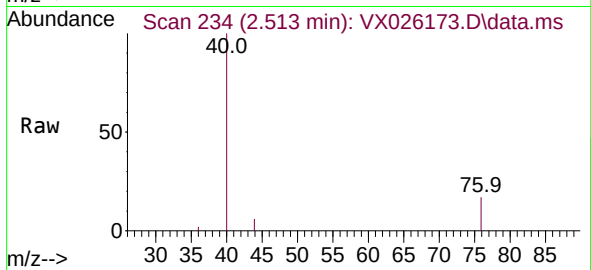
Tgt Ion: 43 Resp: 2614
Ion Ratio Lower Upper
43 100
58 32.4 24.8 37.2



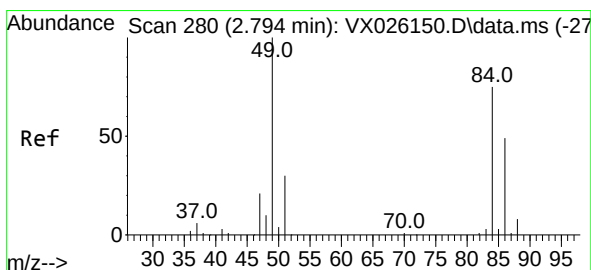
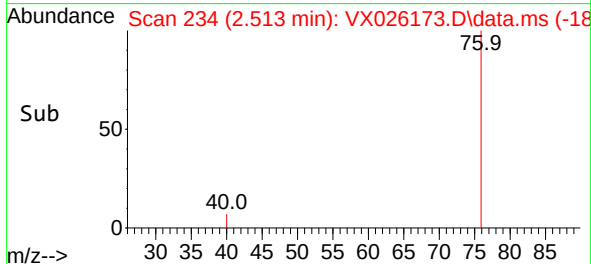
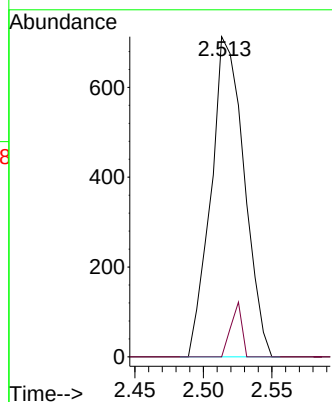


#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Instrument :
MSVOA_X
ClientSampleId :

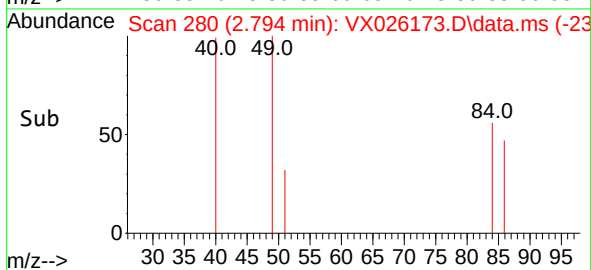
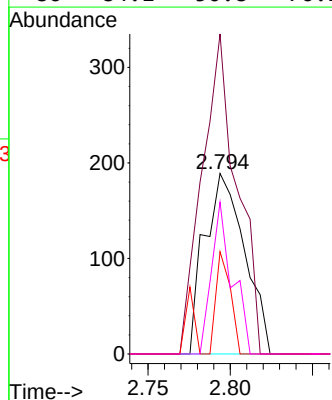
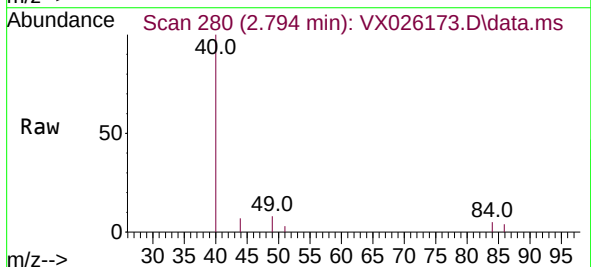


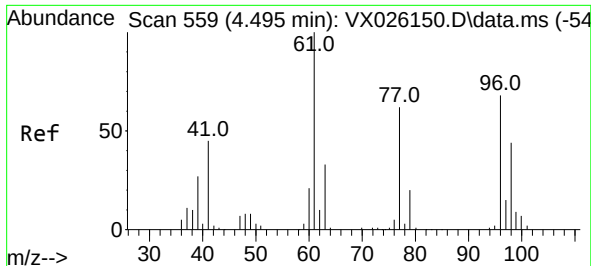
Tgt Ion: 76 Resp: 1200
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Tgt Ion: 84 Resp: 321
Ion Ratio Lower Upper
84 100
49 177.2 97.1 145.7#
51 56.6 29.3 43.9#
86 84.1 50.8 76.2#





#27

cis-1,2-Dichloroethene

Concen: 3.507 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX026173.D

Acq: 30 Dec 2021 17:10

Instrument :

MSVOA_X

ClientSampleId :

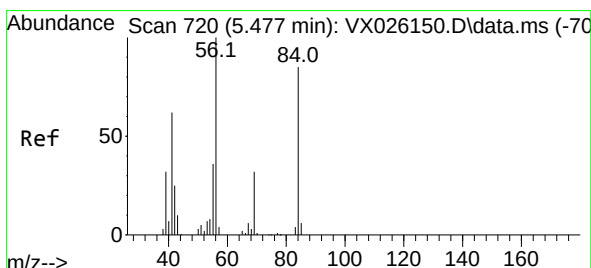
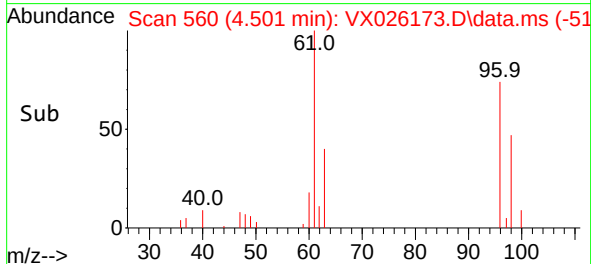
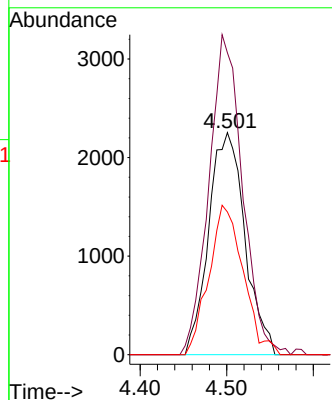
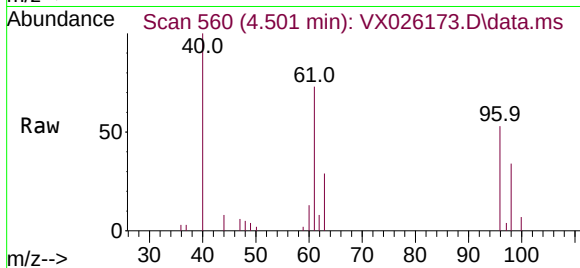
Tgt Ion: 96 Resp: 6544

Ion Ratio Lower Upper

96 100

61 133.8 0.0 276.8

98 64.0 0.0 130.6



#31

Cyclohexane

Concen: 1.279 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.078 min

Lab File: VX026173.D

Acq: 30 Dec 2021 17:10

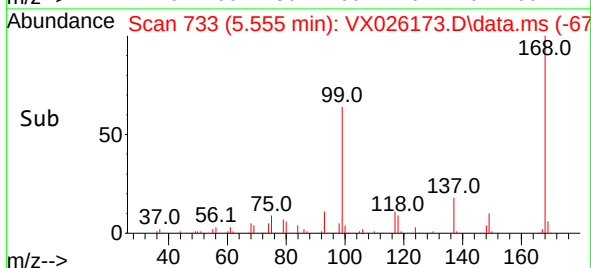
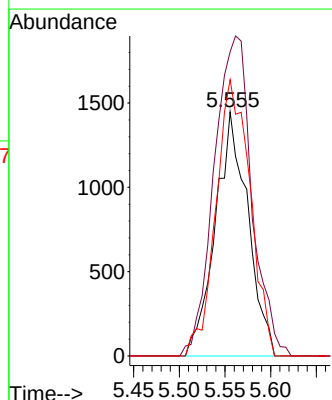
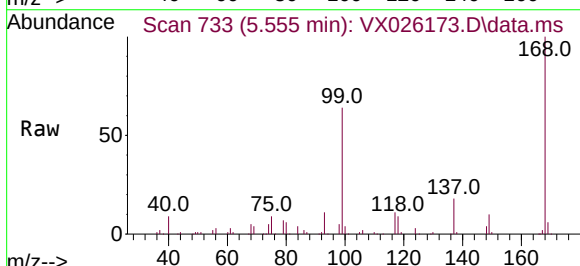
Tgt Ion: 56 Resp: 3579

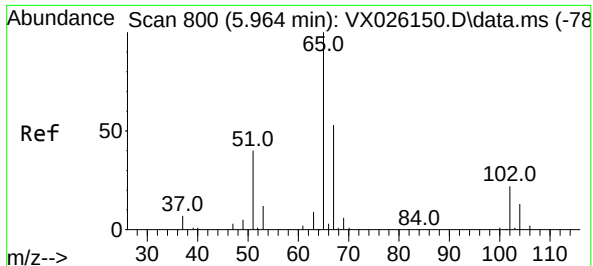
Ion Ratio Lower Upper

56 100

69 124.6 23.9 35.9#

84 113.2 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 50.781 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX026173.D

Acq: 30 Dec 2021 17:10

Instrument :

MSVOA_X

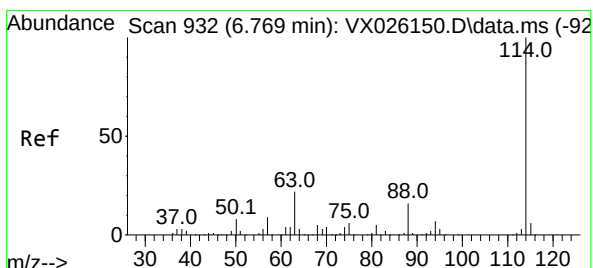
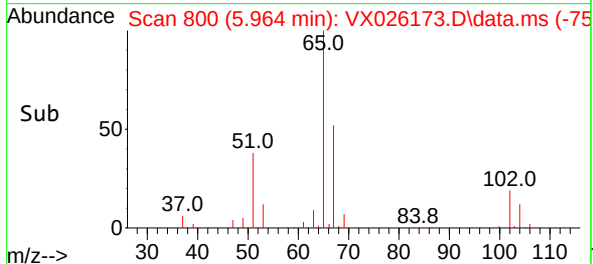
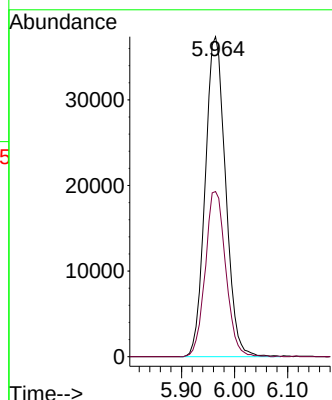
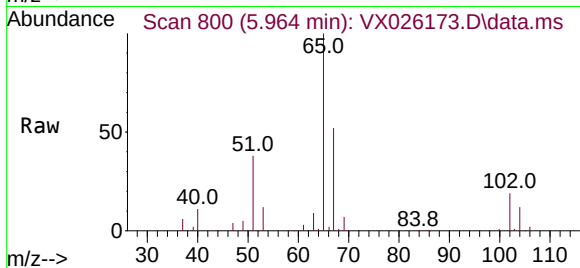
ClientSampleId :

Tgt Ion: 65 Resp: 99759

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX026173.D

Acq: 30 Dec 2021 17:10

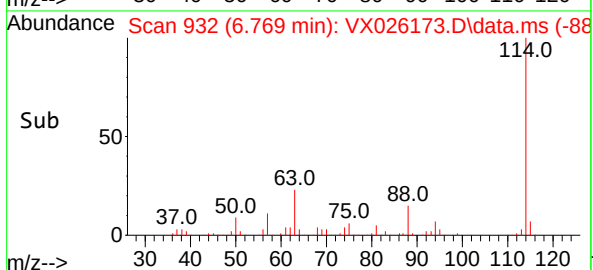
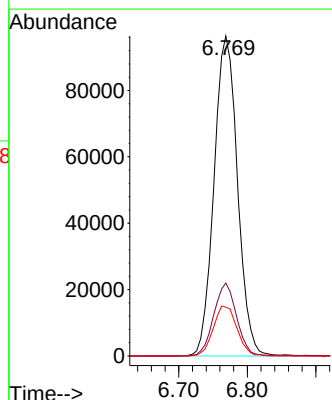
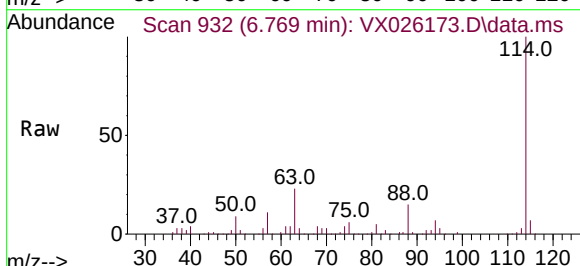
Tgt Ion: 114 Resp: 228962

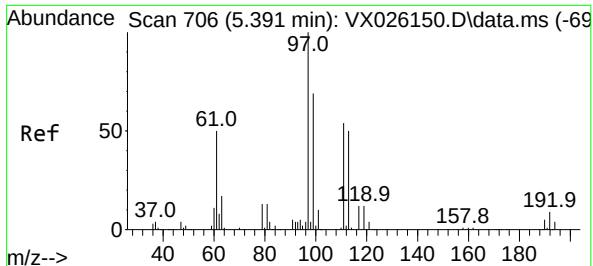
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.775 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

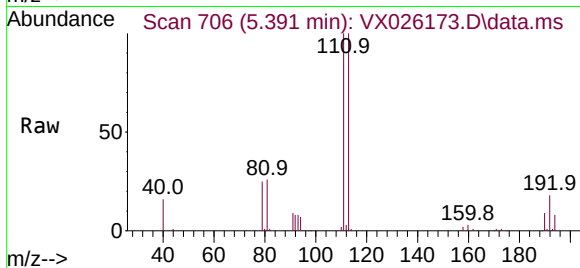
Lab File: VX026173.D

Acq: 30 Dec 2021 17:10

Instrument :

MSVOA_X

ClientSampleId :



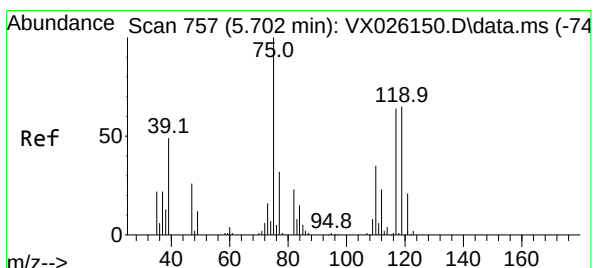
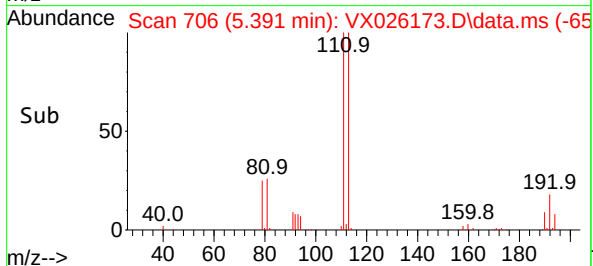
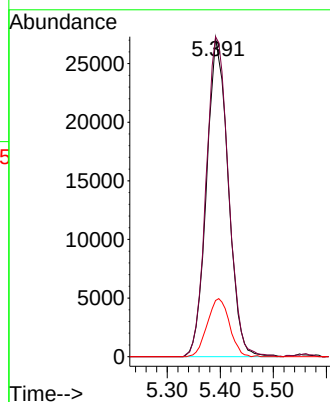
Tgt Ion:113 Resp: 77070

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026173.D

Acq: 30 Dec 2021 17:10

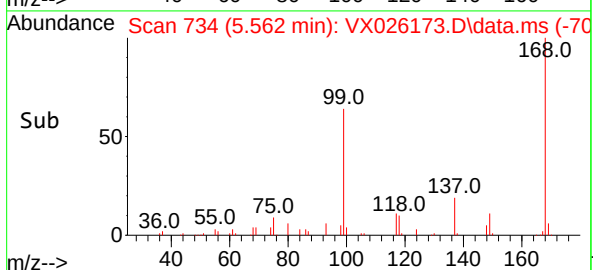
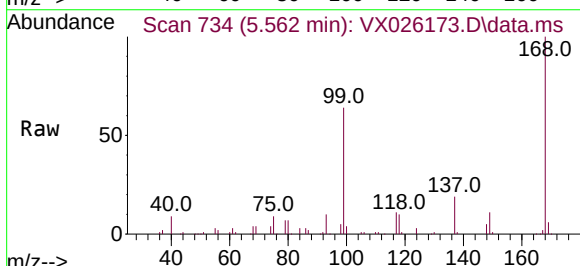
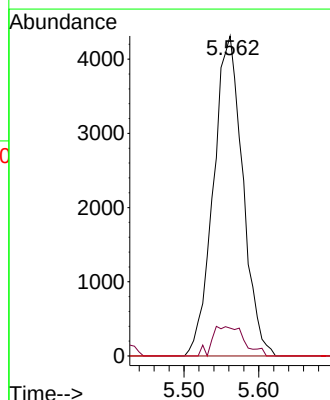
Tgt Ion: 75 Resp: 11737

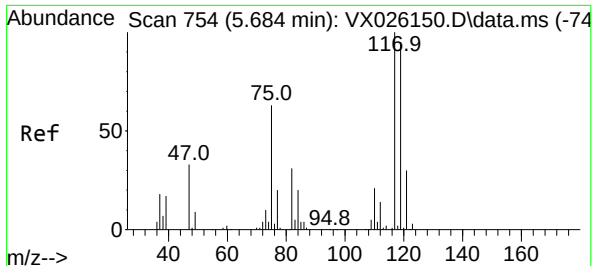
Ion Ratio Lower Upper

75 100

110 10.1 18.2 54.6#

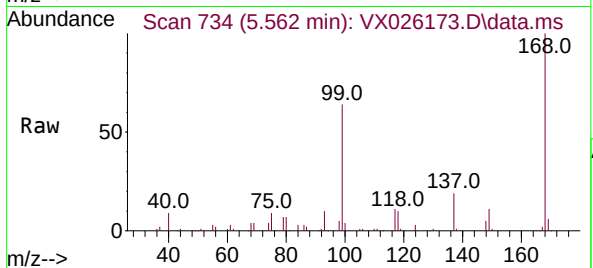
77 0.0 24.7 37.1#



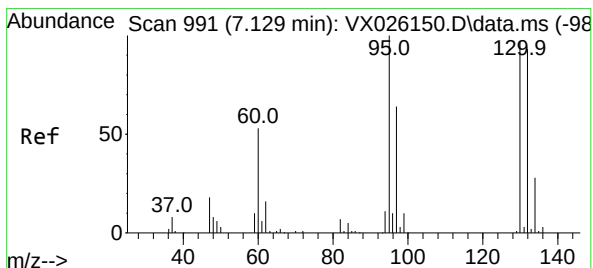
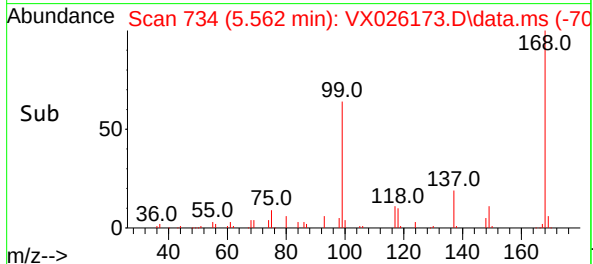
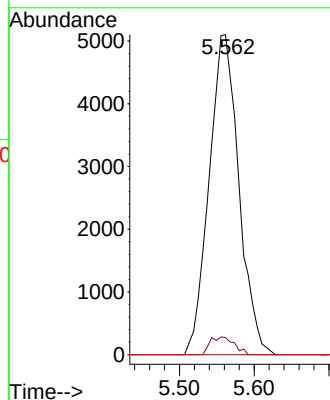


#38
Carbon Tetrachloride
Concen: 5.288 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Instrument :
MSVOA_X
ClientSampleId :

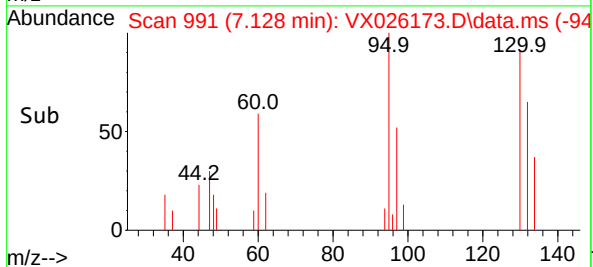
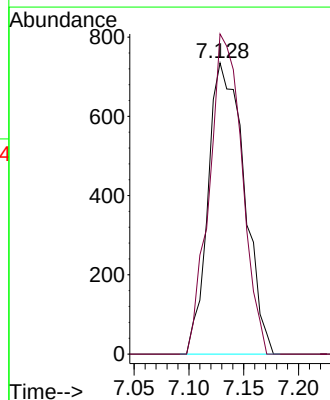
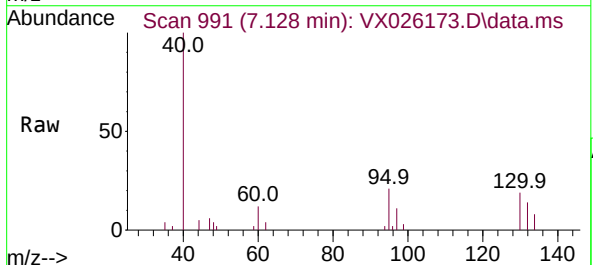


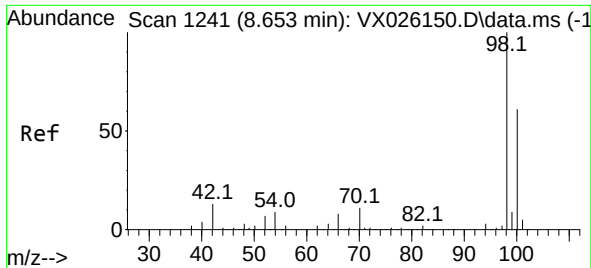
Tgt Ion:117 Resp: 14122
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 0.914 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Tgt Ion:130 Resp: 1686
Ion Ratio Lower Upper
130 100
95 109.9 0.0 186.4

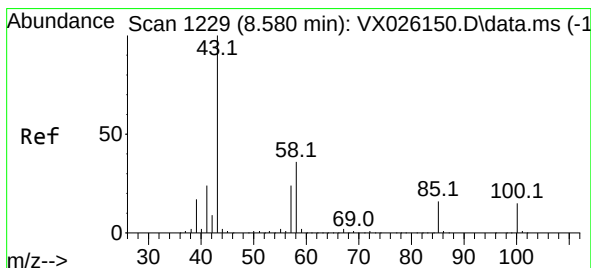
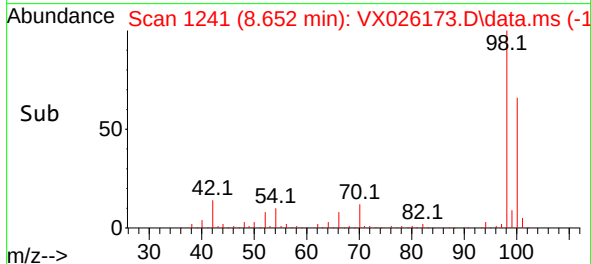
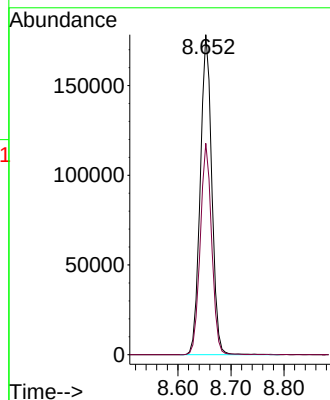
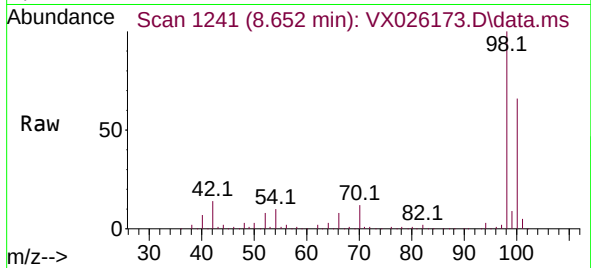




#50
Toluene-d8
Concen: 48.596 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

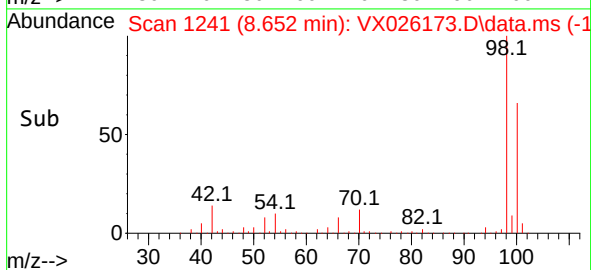
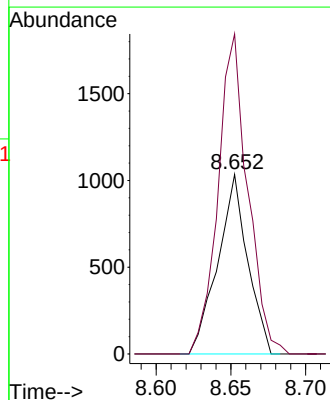
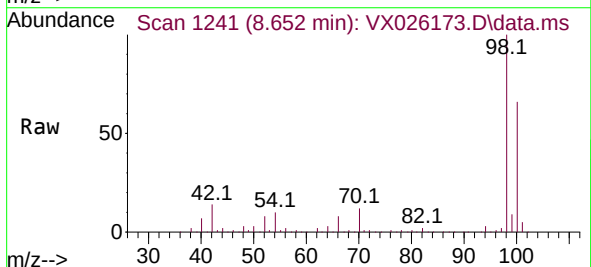
Instrument :
MSVOA_X
ClientSampleId :

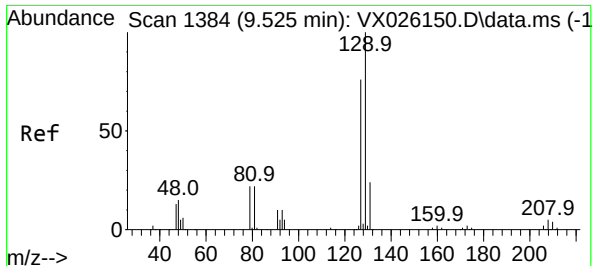
Tgt Ion: 98 Resp: 269068
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.072 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 177.2 30.8 46.2#

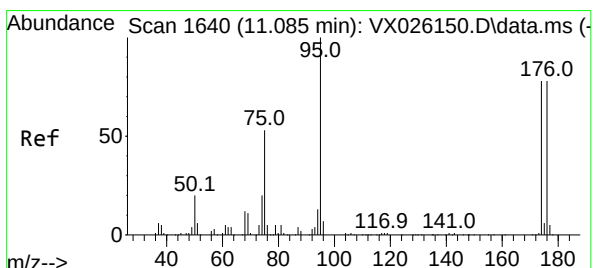
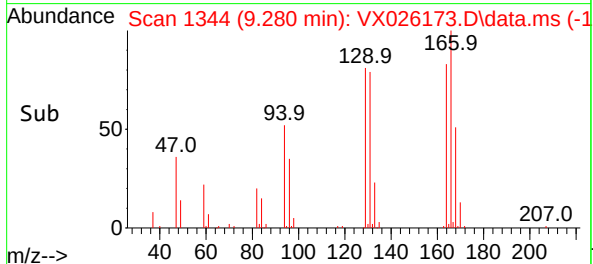
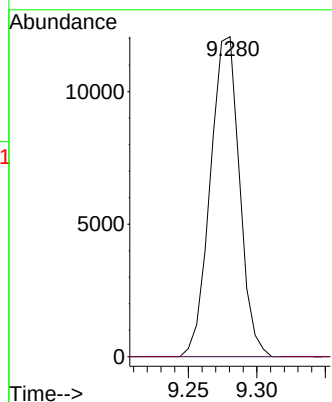
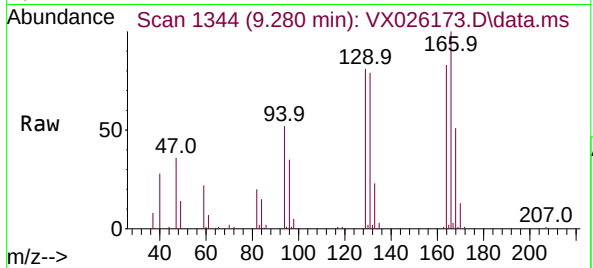




#60
Dibromochloromethane
Concen: 9.106 ug/l
RT: 9.280 min Scan# 11
Delta R.T. -0.245 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

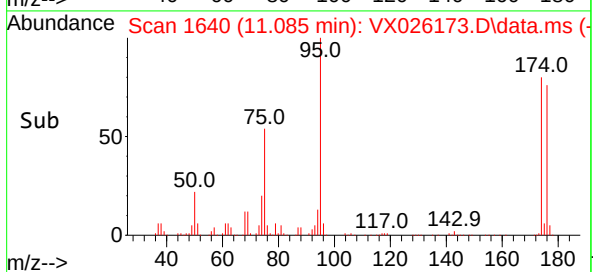
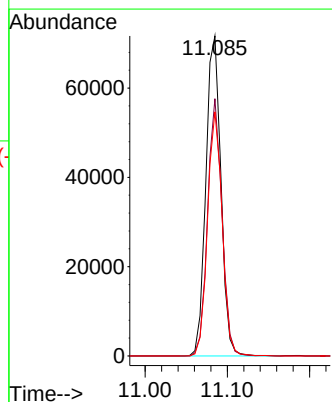
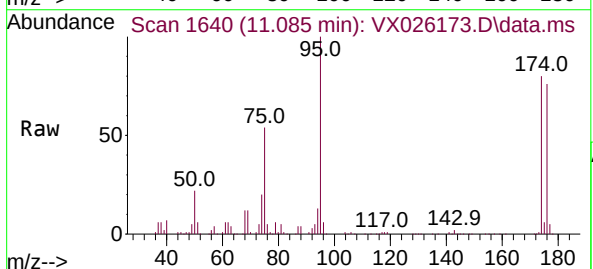
Instrument :
MSVOA_X
ClientSampleId :

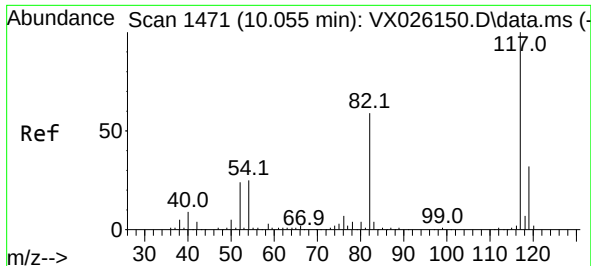
Tgt Ion:129 Resp: 17885
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 46.304 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

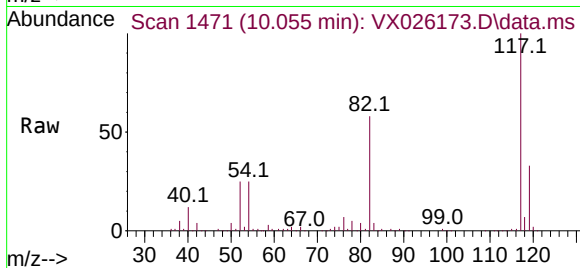
Tgt Ion: 95 Resp: 91267
Ion Ratio Lower Upper
95 100
174 76.8 0.0 157.4
176 74.3 0.0 154.6



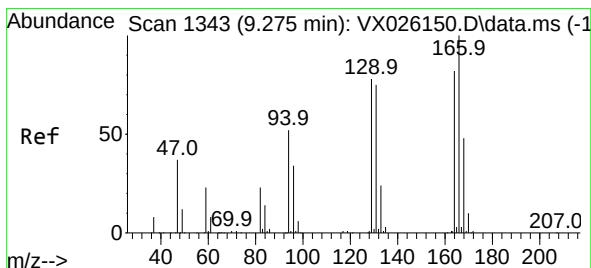
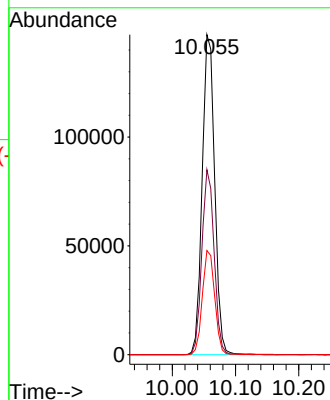
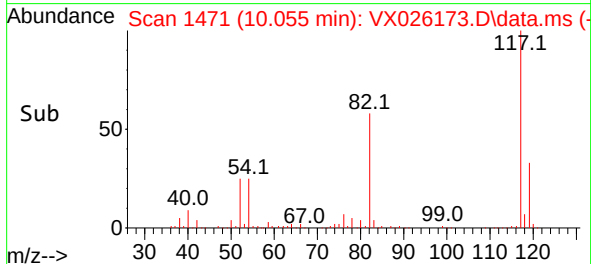


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

Instrument :
MSVOA_X
ClientSampleId :

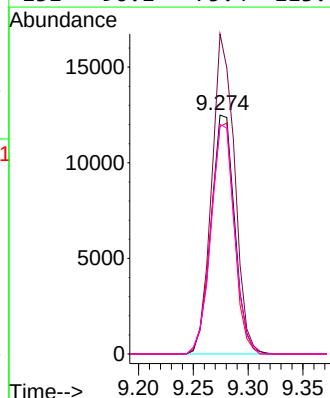
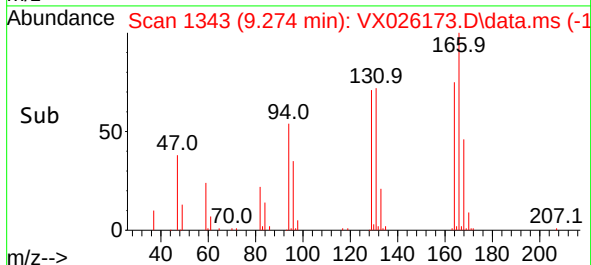
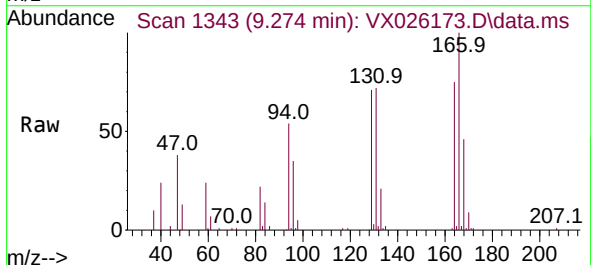


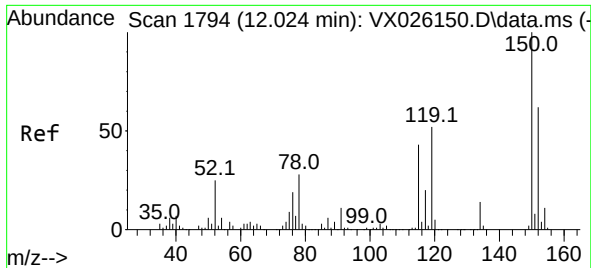
Tgt Ion:117 Resp: 202330
Ion Ratio Lower Upper
117 100
82 57.8 43.8 65.6
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 10.957 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX026173.D
Acq: 30 Dec 2021 17:10

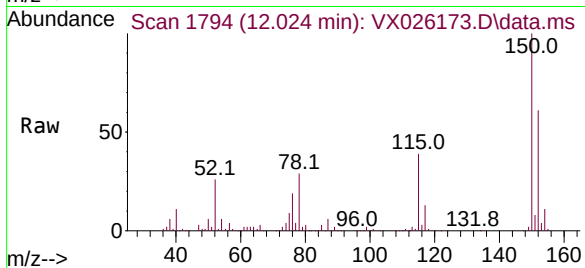
Tgt Ion:164 Resp: 18709
Ion Ratio Lower Upper
164 100
166 133.9 99.4 149.0
129 95.2 78.6 118.0
131 96.1 75.4 113.0



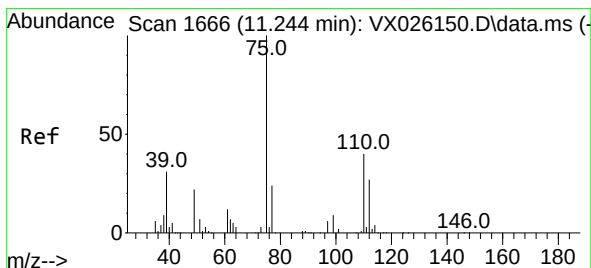
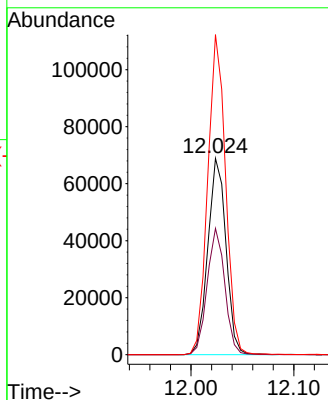
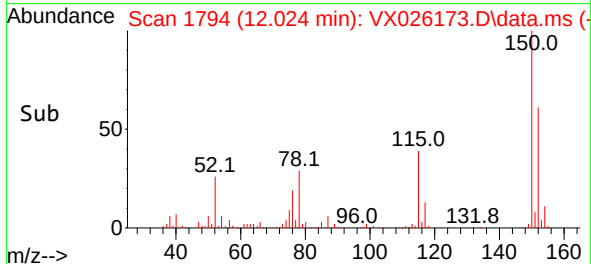


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX026173.D
 Acq: 30 Dec 2021 17:10

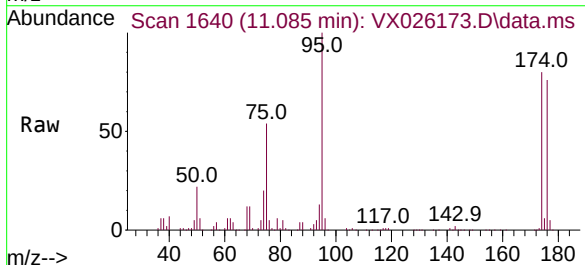
Instrument :
 MSVOA_X
 ClientSampleId :



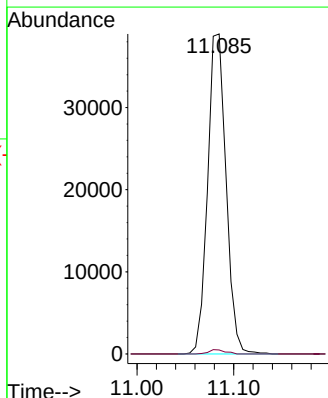
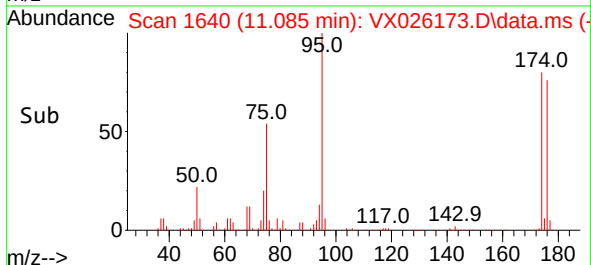
Tgt Ion:152 Resp: 84434
 Ion Ratio Lower Upper
 152 100
 115 62.7 41.3 123.9
 150 160.4 0.0 351.8

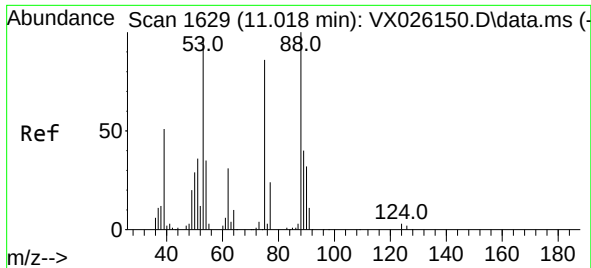


#76
 1,2,3-Trichloropropane
 Concen: 25.289 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026173.D
 Acq: 30 Dec 2021 17:10



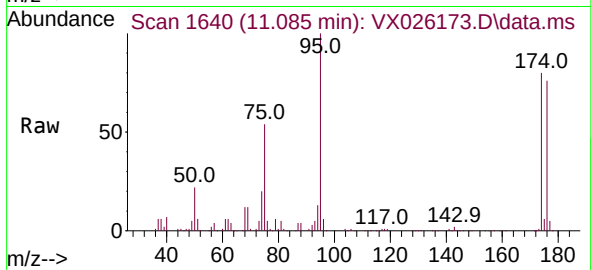
Tgt Ion: 75 Resp: 51540
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.162 ug/l
 RT: 11.085 min Scan# 10
 Delta R.T. 0.067 min
 Lab File: VX026173.D
 Acq: 30 Dec 2021 17:10

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 51540
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

